

## **ABSTRACT OF THE DISCLOSURE**

A proxy server for providing transparent proxy services to a user of a client device is provided. The proxy server receives a request from a browser for a unit of digital content, requests the unit of digital content from a remote server, receives the unit of digital content from the remote server, parses the unit of digital content for references to the remote server, identifies a reference within a software construct, inserts a software function into the modified remote page for modifying references, inserts a call to the software function into the software construct, modifies references to the remote server in the unit of digital content to form a modified unit of digital content by inserting a surrogate server hostname into the references and removing a remote server hostname from the references, and transmits the modified unit of digital content to the browser.